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Substitute for form 1448/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/090,040
Filing Date	03/01/2002
First Named Inventor	Kyle A. Brownell
Art Unit	1742
Examiner Name	Robert A. Hopkins
Attorney Docket Number	410193.90155

U. S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	<i>Robert A. [Signature]</i>	Date Considered	6-9-04
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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Complete If Known

Sheet 1 of 5

Application Number 10/090,040
Filing Date March 1, 2002
First Named Inventor Brownell, et al.
Art Unit 1724
Examiner Name Robert A. Hopkins
Attorney Docket Number 410193.90155

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
RAH		US- RE 34,836	08/14/1994	Bivens	
		US- 3,970,558	07/20/1976	Lee	
		US- 4,082,661	04/04/1978	Aoki et al.	
		US- 4,104,163	08/01/1978	Grutsch	
		US- 4,118,206	10/03/1978	Hagendoorn	
		US- 4,172,031	10/23/1979	Hall et al.	
		US- 4,177,142	12/04/1979	Halbfoster	
		US- 4,231,788	11/04/1980	Seibert et al.	
		US- 4,238,334	12/09/1980	Halbfoster	
		US- 4,328,105	05/04/1982	Arbuckle	
		US- 4,486,622	12/04/1984	Takagi et al.	
		US- 4,595,509	08/17/1986	Fox et al.	
		US- 4,645,605	02/24/1987	Durham	
		US- 4,721,624	01/26/1988	Schumann	
		US- 4,805,525	02/21/1989	Bivens	
		US- 4,816,499	03/28/1989	Nomura et al.	
		US- 4,908,050	03/13/1990	Nagashima et al.	
		US- 5,003,693	04/02/1991	Atkinson et al.	
		US- 5,154,743	10/13/1992	Takato et al.	

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear
		Country Code ² Number ³ Kind Code ⁴ (if known)			
RAH		GB 1,014,594	12/31/1965	Orto Clair Norton	
		GB 1,255,268	12/01/1971	US Atomic Energy Comsn	
		DD 74,699	07/12/1970	Karl Winter	
		EP 1,238,679	09/11/2002	ENEA	
RAH		WO 02/070105A2	09/12/2002	Johnson, James R.	

Examiner Signature	Date Considered
<i>Robert A. Hopkins</i>	5-15-04

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)		<i>Complete if Known</i>	
		Application Number	10/090,040
		Filing Date	March 1, 2002
		First Named Inventor	Brownell, et al.
		Art Unit	1724
		Examiner Name	Robert A. Hopkins
Sheet 2 of 5	Attorney Docket Number	410193.90155	

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
RAH		G. Elliott et al., "The increasing Use of Ceramic Filters in Air Pollution Control Applications," <i>Filtr. Sep. Vol. 34 No. 4 pp. 331-335, 1997, Elsevier Science Ltd.</i>	
RAH		N. Singh et al., "Process Design and Economic Analysis of a Ceramic Membrane System for Microfiltration of Corn Starch Hydrolysate," <i>Journal of Food Engineering, Vol. 38 No. 1 pp. 57-67, 1998, Elsevier Science Ltd.</i>	

Examiner Signature	<i>Robert A. Hopkins</i>	Date Considered	5-15-04
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Substitute for form 144BA/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	3	of	6
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Complete if Known

Application Number	10/090,040
Filing Date	March 1, 2002
First Named Inventor	Brownell, et al.
Group Art Unit	1724
Examiner Name	Robert A. Hopkins
Attorney Docket Number	410193.90155

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code [‡] (e.g., 112)			
RAH		5,776,364		van der Meer et al.	07/07/1998	
		5,810,895		Staeble et al.	09/22/1998	
		5,997,618		Schneider et al.	12/07/1999	
		6,010,558		Ackland	01/04/2000	
		6,077,335		Schneider et al.	06/20/2000	
		6,077,800		Takahashi et al.	06/20/2000	
		6,095,037		Sevace et al.	08/01/2000	
		6,168,651		Tuma et al.	01/02/2001	
		6,340,379		Penth et al.	01/22/2002	
		6,432,177		Dallas et al.	08/13/2002	
		6,464,770		Palm et al.	10/15/2002	
		5,776,354		van der Meer et al.	07/07/1998	
		5,700,973		Siddiqui	12/23/1997	
		4,485,622		Takagi et al.	12/04/1984	
		5,632,889		Tharp	05/27/1997	
		6,605,848		James R. Johnson	08/12/2003	
		5,750,026		Gadkaree et al.	05/12/1998	
		5,766,458		Sekhar et al.	06/16/1998	
		4,388,086		Bauer et al.	06/14/1983	
TEA		4,350,504		Diachuk	09/21/1982	

FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Date	Considered
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5-15-04

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¹ Unique citation designation number. ² See attached kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language translation is attached.

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Substitute for form 1449A/PTD INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/090,040	
			Filing Date	March 1, 2002	
			First Named Inventor	Brownell, et al.	
			Group Art Unit	1724	
			Examiner Name	Robert A. Hopkins	
			Attorney Docket Number	410193.90155	
Sheet	4	of	5		

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Paragraph or Relevant Figure Number
		Number	Kind Code* (if known)			
RAH		4,126,433		Forsberg et al.	11/21/1978	
		6,841,788		Onawa et al.	11/04/2003	
		5,145,848		Miyahara et al.	09/08/1992	
		5,978,221		Bowman et al.	11/02/1999	
		5,792,380		Alcar	08/11/1998	
		4,682,992		Fuchs	07/28/1987	
		6,074,177		Kobayashi et al.	06/13/2000	
		5,133,788		Anderson	07/28/1992	
		4,292,285		Nakao et al.	09/29/1981	
		5,145,848		Miyahara et al.	09/08/1992	
		8,010,558		Ackland	01/04/2000	
		5,828,916		Stevens et al.	05/13/1997	
		5,824,875		Nakanishi et al.	04/29/1997	
		5,567,090		Basak et al.	10/22/1996	
		5,512,088		McKenzie	04/30/1996	
		5,488,370		Bivens	01/23/1996	
		5,442,924		Tsai et al.	08/22/1995	
		5,404,799		Bivens	04/11/1996	
		5,209,887		Von Blucher et al.	05/11/1993	
RAH		2003/0024393		Lim	02/08/2003	

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Examiner Signature	<i>Robert H. [Signature]</i>	Date Considered	5-15-04
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